

AMENDMENTS TO THE CLAIMS

1. (original) A method for coloring a cellulose fiber, comprising:
a step (1) of introducing a carboxylic group or a sulfonic acid group into cellulose fiber;
and a step (2) of treating the cellulose fiber having the carboxylic group or the sulfonic acid group introduced with an aromatic derivative having one or more hydroxyl groups and a metal salt simultaneously or separately.
2. (original) The method for coloring a cellulose fiber according to claim 1, wherein carboxylic groups are introduced into the cellulose fiber by an adhesion curing treatment with a polycarboxylic acid.
3. (original) The method for coloring a cellulose fiber according to claim 1 or 2, wherein the aromatic derivative having one or more hydroxyl groups is dihydroxybenzoic acid, dihydroxybenzaldehyde, trihydroxybenzoic acid, trihydroxybenzaldehyde, or tannic acid.
4. (currently amended) The method for coloring a cellulose fiber according to ~~any one of claims 1 to 3~~ claim 1, wherein the metal salt is an iron salt.
5. (original) A colored cellulose fiber, colored by the method according to any one of claims 1 or 4.

6. (original) A method for producing a colored cellulose fiber, comprising:
a step (1) of introducing a carboxylic group or a sulfonic acid group into a cellulose fiber;
and
a step (2) of treating the cellulose fiber having the carboxylic group or the sulfonic acid group introduced with an aromatic derivative having one or more hydroxyl groups and a metal salt simultaneously or separately.

7. (original) The method for producing a colored cellulose fiber according to claim 6, wherein carboxylic groups are introduced into the cellulose fiber by an adhesion curing treatment with a polycarboxylic acid.

8. (original) The method for producing a colored cellulose fiber according to claim 6 or claim 7, wherein the aromatic derivative having one or more hydroxyl groups is dihydroxybenzoic acid, dihydroxybenzaldehyde, trihydroxybenzoic acid, trihydroxybenzaldehyde, or tannic acid.

9. (currently amended) The method for producing a colored cellulose fiber according to ~~any one of claims 6 to 8~~ claim 6, wherein the metal salt is an iron salt.

10. (currently amended) A colored cellulose fiber, produced by the method according to ~~any one of claims 6 to 9~~ claim 6.